



## **SUPPLEMENTARY EUROPEAN SEARCH REPORT**

ļ	DOCUMENTS CONSID					
Category	Citation of document with i of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)		
X Y	WO 2008/032951 A1 ( YOUNG-CHAN [KR]; SO 20 March 2008 (2008 * page 3; figure 2 * page 5, line 9 -	3-03-20) *	1-3,6	INV. H01Q21/29 H01Q9/44 H01Q9/28 H01Q19/10		
Υ	CHAINON SEBASTIEN	(ALCATEL LUCENT [FR]; [FR]; HAREL JEAN-PIERRE er 2010 (2010-12-16) - page 9, line 4;	4,5,7	H01Q21/06 H01Q21/24 H01Q1/24 H01Q15/14 H01Q21/26		
А	3 June 2003 (2003-0 * column 2, line 3		1-7			
A	2 April 2008 (2008- * paragraphs [0001]		1-7	TECHNICAL FIELDS SEARCHED (IPC) H01Q		
	The supplementary search reposet of claims valid and available					
	Place of search The Hague	Date of completion of the search 30 November 2016	Wat	Examiner tiaux, Véronique		

CATEGORY OF CITED DOCUMENTS

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30-11-2016

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 2008032951 A1	20-03-2008	AT CN EP ES JP JP KR US WO	544197 101548434 2062331 2380603 4890618 2010503356 20080023605 2009278759 2008032951	A A1 T3 B2 A A A	15-02-2012 30-09-2009 27-05-2009 16-05-2012 07-03-2012 28-01-2010 14-03-2008 12-11-2009 20-03-2008
WO 2010142756 A1	16-12-2010	BR CN EP FR JP JP US WO	PI1010726 102804495 2441119 2946805 2012529826 2014212562 2012146872 2010142756		15-03-2016 28-11-2012 18-04-2012 17-12-2010 22-11-2012 13-11-2014 14-06-2012 16-12-2010
US 6573874 B1	03-06-2003	JP JP US	4010650 H11355030 6573874	B2 A B1	21-11-2007 24-12-1999 03-06-2003
EP 1906491 A1	02-04-2008	EP KR US	1906491 20080028003 2008074339	Α	02-04-2008 31-03-2008 27-03-2008